ABSTRACT

IDENTIFICATION OF Salmonella sp. CONTAMINANT WITH QUANTIFICATION METHOD ON BROILERS AT THREE TRADITIONAL MARKETS AND TWO MODERN MARKETS IN THE BANDAR LAMPUNG CITY

By

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Salmonella sp. is a bacteri that caused of contaminate on broilers and salmonellosis in humans. The purpose of this research is to identify of Salmonella sp. contaminant on boilers at traditional market and modern market in the Bandar Lampung city. This research used a sample such as chicken meat from poulterer at 3 traditional markets (Gintung Market, Rajabasa Market and Tamin Market) and 2 modern markets (Robinson Super Market and Chandra Super Market). All of sample were isolated into selective media Xylose Lysine Desoxycholate (XLD) agar with 3 replication. The result showed that contamination of Salmonella sp. were identified on boilers at traditional market and modern market with the level contamination on Gintung Market was $4.80 \times 10^8$ CFU/g – $2.48 \times 10^9$ CFU/g, Rajabasa Market was $3.68 \times 10^8$ CFU/g - $1.24 \times 10^9$ CFU/g, Tamin Market was $3.30 \times 10^8$ CFU/g – $3.68 \times 10^9$ CFU/g, Robinson Super Market was $3.27 \times 10^4$ CFU/g – $1.50 \times 10^5$ CFU/g and Chandra Super Market was $3.30 \times 10^4$ CFU/g – $1.13 \times 10^5$ CFU/g.

Keywords: Salmonella sp., contaminant, boilers, traditional market, modern market